WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Friday, September 14, 2007

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT; PLUR=YES; OP=ADJ	
☐	L6	L5 and (bromide or hydrobromide)	4
☐	L5	L4 and (morphine near2 glucuronide)	8
☐	L4	536/17.4.icls. or 536/17.9.ccls. or 514/32.icls. or 514/32.ccls. or 514/33.icls. or 514/33.ccls. or 514/34.icls. or 514/34.ccls.	1779
☐	L3	5593695.pn.	1
☐	L2	6150524.pn.	1
☐	L1	6172206.pn.	1

END OF SEARCH HISTORY

```
     FILE 'REGISTRY' ENTERED AT 14:15:32 ON 14 SEP 2007
                EXP MORPHINE-6-GLUCURONIDE/CN
                EXP MORPHINE 6 GLUCURONIDE/CN
                EXP MORPHINE 6 BETA
                EXP MORPHINE 6 BETA/CN
                EXP MORPHINE-6-BETA/CN
L1              1 S E1

     FILE 'CAPLUS' ENTERED AT 14:17:27 ON 14 SEP 2007
L2              1 S L1

     INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 14:18:17 ON 14 SEP 2007
               SEA (MORPHINE-6-GLUCURONIDE) OR L1
               ---------
              62*  FILE ADISCTI
               8   FILE ADISINSIGHT
              14   FILE ADISNEWS
               2   FILE AGRICOLA
              80   FILE ANABSTR
               0*  FILE ANTE
               0*  FILE AQUALINE
               3*  FILE AQUASCI
               7*  FILE BIOENG
             551   FILE BIOSIS
               8   FILE BIOTECHABS
               8   FILE BIOTECHDS
              72   FILE BIOTECHNO
               9*  FILE CABA
             576*  FILE CAPLUS
               3*  FILE CEABA-VTB
              10   FILE CIN
              11*  FILE CONFSCI
               0*  FILE CROPB
               0*  FILE CROPU
               3*  FILE DDFB
             352*  FILE DDFU
             218*  FILE DGENE
              13*  FILE DISSABS
               3*  FILE DRUGB
             407*  FILE DRUGU
               3*  FILE EMBAL
             790   FILE EMBASE
             208*  FILE ESBIOBASE
               0*  FILE FOMAD
               0*  FILE FOREGE
               0*  FILE FROSTI
               1*  FILE GENBANK
               1*  FILE HEALSAFE
              42*  FILE IFIPAT
              20   FILE IMSDRUGNEWS
               3   FILE IMSRESEARCH
               0*  FILE KOSMET
              82*  FILE LIFESCI
             562   FILE MEDLINE
               0*  FILE NTIS
               0*  FILE NUTRACEUT
               0*  FILE OCEAN
                SEA ((MORPHINE-6-GLUCURONIDE) AND (HYDROBROMIDE OR BROMIDE)) OR
               ---------
               0*  FILE ADISCTI
               0*  FILE ANTE
```

```
                0*  FILE AQUALINE
                0*  FILE AQUASCI
                0*  FILE BIOENG
                2   FILE BIOSIS
                1   FILE BIOTECHABS
                1   FILE BIOTECHDS
                2   FILE BIOTECHNO
                0*  FILE CABA
               13*  FILE CAPLUS
                0*  FILE CEABA-VTB
                0*  FILE CONFSCI
                0*  FILE CROPB
                0*  FILE CROPU
                0*  FILE DDFB
                0*  FILE DDFU
                0*  FILE DGENE
                0*  FILE DISSABS
                0*  FILE DRUGB
                3*  FILE DRUGU
                0*  FILE EMBAL
                9   FILE EMBASE
                2*  FILE ESBIOBASE
                0*  FILE FOMAD
                0*  FILE FOREGE
                0*  FILE FROSTI
                0*  FILE GENBANK
                0*  FILE HEALSAFE
                5*  FILE IFIPAT
                1   FILE IMSRESEARCH
                0*  FILE KOSMET
                0*  FILE LIFESCI
                3   FILE MEDLINE
                0*  FILE NTIS
                0*  FILE NUTRACEUT
                0*  FILE OCEAN
                0*  FILE PASCAL
                0*  FILE PCTGEN
                0*  FILE PHARMAML
                0*  FILE PHIC
                0*  FILE PHIN
                0*  FILE RDISCLOSURE
                4*  FILE SCISEARCH
                1   FILE SYNTHLINE
                5   FILE TOXCENTER
                0*  FILE USGENE
               33*  FILE USPATFULL
                0*  FILE USPATOLD
                6*  FILE USPAT2
                0*  FILE VETB
                0*  FILE VETU
                0*  FILE WATER
                8   FILE WPIDS
                0*  FILE WPIFV
                8   FILE WPINDEX
L3               QUE ((MORPHINE-6-GLUCURONIDE) AND (HYDROBROMIDE OR BROMIDE)) OR
                 ---------

     FILE 'HCAPLUS' ENTERED AT 14:21:59 ON 14 SEP 2007
L4           576 S (MORPHINE-6-GLUCURONIDE)
L5        293526 S BROMIDE OR HYDROBROMIDE
L6            13 S L4 AND L5

     FILE 'STNGUIDE' ENTERED AT 14:22:04 ON 14 SEP 2007
```

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      FILE 'HCAPLUS' ENTERED AT 14:22:18 ON 14 SEP 2007

      FILE 'STNGUIDE' ENTERED AT 14:22:19 ON 14 SEP 2007

      FILE 'HCAPLUS' ENTERED AT 14:23:14 ON 14 SEP 2007

      FILE 'STNGUIDE' ENTERED AT 14:23:14 ON 14 SEP 2007

      FILE 'REGISTRY' ENTERED AT 14:33:02 ON 14 SEP 2007
                  EXP MORPHINE HYDROBROMIDE/CN
L7                1 S E3

      FILE 'CAPLUS' ENTERED AT 14:33:32 ON 14 SEP 2007
L8                1 S L7/THU
L9                5 S L7
```

```
=> file registry
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 14:15:32 ON 14 SEP 2007
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   13 SEP 2007  HIGHEST RN 947061-18-9
DICTIONARY FILE UPDATES:  13 SEP 2007  HIGHEST RN 947061-18-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> exp morphine-6-glucuronide/cn
E1            1     MORPHINE-6-B-D-GLUCURONIDE HYDROBROMIDE/CN
E2            1     MORPHINE-6-3H/CN
E3            0 --> MORPHINE-6-GLUCURONIDE/CN
E4            1     MORPHINE-6-SUCCINATE/CN
E5            1     MORPHINE-6-SULFONIC ACID/CN
E6            1     MORPHINE-7,8-T2, 7,8-DIHYDRO-/CN
E7            1     MORPHINE-ALPRENOLOL MIXT./CN
E8            1     MORPHINE-FLUPIRTINE MIXT./CN
E9            1     MORPHINE-METHYL-D3/CN
E10           1     MORPHINE-N-(METHYL-D3) HYDROCHLORIDE/CN
E11           1     MORPHINE-N-CT3/CN
E12           2     MORPHINE-N-METHYL-14C/CN

=> exp morphine 6 glucuronide/cn
E1            1     MORPHINE 3-SULFATE/CN
E2            1     MORPHINE 3-VALERATE/CN
E3            0 --> MORPHINE 6 GLUCURONIDE/CN
E4            1     MORPHINE 6-(B-D-GLUCOPYRANOSYLCARBAMOTHIOATE)/CN
E5            1     MORPHINE 6-(HYDROGEN PHTHALATE)/CN
E6            1     MORPHINE 6-(METHYL SUBERATE)/CN
E7            1     MORPHINE 6-(P-BROMOBENZOATE)/CN
E8            1     MORPHINE 6-(P-CHLOROBENZOATE)/CN
E9            1     MORPHINE 6-(P-FLUOROBENZOATE)/CN
E10           1     MORPHINE 6-(P-HYDROXYBENZOATE)/CN
E11           1     MORPHINE 6-(P-NITROBENZOATE)/CN
E12           1     MORPHINE 6-(TERT-BUTYLDIMETHYLSILYL) ETHER/CN

=> exp morphine 6 beta
E1            7     MORPHINDOLE/BI
E2         1339     MORPHINE/BI
E3            0 --> MORPHINE 6 BETA/BI
E4            1     MORPHINE:NADP/BI
E5            1     MORPHINECARBO/BI
```

```
E6            1     MORPHINECARBODI/BI
E7            1     MORPHINECARBODITHIO/BI
E8            1     MORPHINECARBODITHIOATO/BI
E9            1     MORPHINECARBOX/BI
E10           1     MORPHINECARBOXAMIDE/BI
E11           1     MORPHINECARBOXYL/BI
E12           1     MORPHINECARBOXYLIC/BI

=> exp morphine 6 beta/cn
E1            1     MORPHINE 3-SULFATE/CN
E2            1     MORPHINE 3-VALERATE/CN
E3            0 --> MORPHINE 6 BETA/CN
E4            1     MORPHINE 6-(B-D-GLUCOPYRANOSYLCARBAMOTHIOATE)/CN
E5            1     MORPHINE 6-(HYDROGEN PHTHALATE)/CN
E6            1     MORPHINE 6-(METHYL SUBERATE)/CN
E7            1     MORPHINE 6-(P-BROMOBENZOATE)/CN
E8            1     MORPHINE 6-(P-CHLOROBENZOATE)/CN
E9            1     MORPHINE 6-(P-FLUOROBENZOATE)/CN
E10           1     MORPHINE 6-(P-HYDROXYBENZOATE)/CN
E11           1     MORPHINE 6-(P-NITROBENZOATE)/CN
E12           1     MORPHINE 6-(TERT-BUTYLDIMETHYLSILYL) ETHER/CN

=> exp morphine-6-beta/cn
E1            1     MORPHINE-6-B-D-GLUCURONIDE HYDROBROMIDE/CN
E2            1     MORPHINE-6-3H/CN
E3            0 --> MORPHINE-6-BETA/CN
E4            1     MORPHINE-6-SUCCINATE/CN
E5            1     MORPHINE-6-SULFONIC ACID/CN
E6            1     MORPHINE-7,8-T2, 7,8-DIHYDRO-/CN
E7            1     MORPHINE-ALPRENOLOL MIXT./CN
E8            1     MORPHINE-FLUPIRTINE MIXT./CN
E9            1     MORPHINE-METHYL-D3/CN
E10           1     MORPHINE-N-(METHYL-D3) HYDROCHLORIDE/CN
E11           1     MORPHINE-N-CT3/CN
E12           2     MORPHINE-N-METHYL-14C/CN

=> s e1
L1            1 "MORPHINE-6-B-D-GLUCURONIDE HYDROBROMIDE"/CN

=> d l1

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   663191-69-3  REGISTRY
ED   Entered STN:  15 Mar 2004
CN   β-D-Glucopyranosiduronic acid, (5α,6α)-7,8-didehydro-4,5-
     epoxy-3-hydroxy-17-methylmorphinan-6-yl, hydrobromide (9CI)  (CA INDEX
     NAME)
OTHER NAMES:
CN   Morphine-6-β-D-glucuronide hydrobromide
FS   STEREOSEARCH
MF   C23 H27 N O9 . Br H
SR   CA
LC   STN Files:   CA, CAPLUS, IMSPATENTS, IMSRESEARCH, USPATFULL
CRN  (20290-10-2)

Absolute stereochemistry.  Rotation (-).
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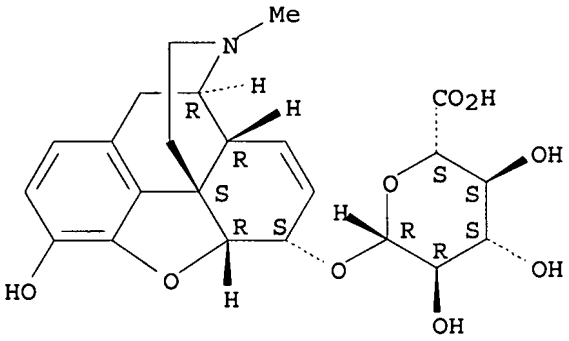

● HBr

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         8.25       8.46

FILE 'CAPLUS' ENTERED AT 14:17:27 ON 14 SEP 2007
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FILE COVERS 1907 - 14 Sep 2007  VOL 147 ISS 13
FILE LAST UPDATED: 13 Sep 2007  (20070913/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l1
L2            1 L1

=>

=> d l1 ti abs bib
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n


=> d l2 ti abs bib

L2   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
```

```
TI   Morphine-6-glucuronide salts and stability thereof
AB   Several salts of morphine-6-glucuronide are prepared, and the hydrobromide
     salt (M6G.HBr) is surprisingly stable compared to other M6G salts and M6G
     free base.  Use of M6G.HBr as a medicament, in particular as an analgesic,
     and methods of making M6G.HBr are described.
AN   2004:162705  CAPLUS <<LOGINID::20070914>>
DN   140:205122
TI   Morphine-6-glucuronide salts and stability thereof
IN   Graham, John Aitken
PA   Cenes Limited, UK
SO   PCT Int. Appl., 27 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
     ---------------      ----   --------    --------------------     --------
PI   WO 2004016633         A1    20040226    WO 2003-GB3562           20030814
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
             TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2494812           A1    20040226    CA 2003-2494812          20030814
     AU 2003255790        A1    20040303    AU 2003-255790           20030814
     EP 1537132           A1    20050608    EP 2003-787894           20030814
     EP 1537132           B1    20060104
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2006500360        T     20060105    JP 2004-528672           20030814
     AT 315041            T     20060215    AT 2003-787894           20030814
     ES 2256790           T3    20060716    ES 2003-3787894          20030814
     ZA 2005001053        A     20050829    ZA 2005-1053             20050204
     IN 2005CN00181       A     20070907    IN 2005-CN181            20050214
     NO 2005001261        A     20050311    NO 2005-1261             20050311
     US 2006166900        A1    20060727    US 2005-524149           20050628
PRAI GB 2002-18811        A     20020814
     WO 2003-GB3562       W     20030814
RE.CNT  3     THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      3.30      11.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                        ENTRY    SESSION
CA SUBSCRIBER PRICE                                     -0.78      -0.78

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
       AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
       CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
       DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 14:18:17 ON 14 SEP 2007

69 FILES IN THE FILE LIST IN STNINDEX
```

```
Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s (morphine-6-glucuronide) or l1
          62*  FILE ADISCTI
           8   FILE ADISINSIGHT
          14   FILE ADISNEWS
           2   FILE AGRICOLA
          80   FILE ANABSTR
           0*  FILE ANTE
           0*  FILE AQUALINE
           3*  FILE AQUASCI
           7*  FILE BIOENG
         551   FILE BIOSIS
           8   FILE BIOTECHABS
           8   FILE BIOTECHDS
          72   FILE BIOTECHNO
           9*  FILE CABA
         576*  FILE CAPLUS
           3*  FILE CEABA-VTB
          10   FILE CIN
          11*  FILE CONFSCI
           0*  FILE CROPB
           0*  FILE CROPU
           3*  FILE DDFB
         352*  FILE DDFU
         218*  FILE DGENE
          13*  FILE DISSABS
           3*  FILE DRUGB
         407*  FILE DRUGU
  27 FILES SEARCHED...
           3*  FILE EMBAL
         790   FILE EMBASE
         208*  FILE ESBIOBASE
           0*  FILE FOMAD
           0*  FILE FOREGE
           0*  FILE FROSTI
           1*  FILE GENBANK
           1*  FILE HEALSAFE
          42*  FILE IFIPAT
          20   FILE IMSDRUGNEWS
           3   FILE IMSRESEARCH
           0*  FILE KOSMET
          82*  FILE LIFESCI
         562   FILE MEDLINE
           0*  FILE NTIS
           0*  FILE NUTRACEUT
<------User Break------>

=> s ((morphine-6-glucuronide) and (hydrobromide or bromide)) or l1
           0*  FILE ADISCTI
           0*  FILE ANTE
           0*  FILE AQUALINE
           0*  FILE AQUASCI
           0*  FILE BIOENG
           2   FILE BIOSIS
           1   FILE BIOTECHABS
           1   FILE BIOTECHDS
           2   FILE BIOTECHNO
           0*  FILE CABA
          13*  FILE CAPLUS
           0*  FILE CEABA-VTB
           0*  FILE CONFSCI
           0*  FILE CROPB
```

```
          0*  FILE CROPU
          0*  FILE DDFB
          0*  FILE DDFU
          0*  FILE DGENE
          0*  FILE DISSABS
  24 FILES SEARCHED...
          0*  FILE DRUGB
          3*  FILE DRUGU
          0*  FILE EMBAL
          9   FILE EMBASE
          2*  FILE ESBIOBASE
          0*  FILE FOMAD
          0*  FILE FOREGE
          0*  FILE FROSTI
          0*  FILE GENBANK
          0*  FILE HEALSAFE
          5*  FILE IFIPAT
          1   FILE IMSRESEARCH
          0*  FILE KOSMET
          0*  FILE LIFESCI
          3   FILE MEDLINE
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          0*  FILE PASCAL
          0*  FILE PCTGEN
          0*  FILE PHARMAML
          0*  FILE PHIC
          0*  FILE PHIN
  55 FILES SEARCHED...
          0*  FILE RDISCLOSURE
          4*  FILE SCISEARCH
          1   FILE SYNTHLINE
          5   FILE TOXCENTER
          0*  FILE USGENE
         33*  FILE USPATFULL
          0*  FILE USPATOLD
          6*  FILE USPAT2
          0*  FILE VETB
          0*  FILE VETU
          0*  FILE WATER
          8   FILE WPIDS
          0*  FILE WPIFV
          8   FILE WPINDEX

  18 FILES HAVE ONE OR MORE ANSWERS,    69 FILES SEARCHED IN STNINDEX

L3    QUE ((MORPHINE-6-GLUCURONIDE) AND (HYDROBROMIDE OR BROMIDE)) OR L1

=> file hcaplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 3.78      15.54

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                 0.00      -0.78

FILE 'HCAPLUS' ENTERED AT 14:21:59 ON 14 SEP 2007
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FILE COVERS 1907 - 14 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 13 Sep 2007 (20070913/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

```
=> s (morphine-6-glucuronide)

         42423 MORPHINE
       3953156 6
         14477 GLUCURONIDE
L4         576 (MORPHINE-6-GLUCURONIDE)
                 (MORPHINE(W)6(W)GLUCURONIDE)

=> s bromide or hydrobromide

        283277 BROMIDE
         13325 HYDROBROMIDE
L5      293526 BROMIDE OR HYDROBROMIDE

=> s l4 and l5

L6          13 L4 AND L5

=> file stnguide

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       2.60      18.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -0.78

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Sep  7, 2007 (20070907/UP).

=> d l6 1-13 ti
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y



L6   ANSWER 1 OF 13  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   Preparation of (S)-N-methylnaltrexones with opioid receptor binding
     activity for use in pharmaceutical compositions

L6   ANSWER 2 OF 13  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   Substituted indole compounds having NOS inhibitory activity and their
```

preparation and pharmaceutical composition

L6 ANSWER 3 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Use of complexes of morphine-6-glucuronide complexes with phosphatidylethanolamine-binding protein (PEBP) peptides to prolong morphine serum half-life in treatment of pain

L6 ANSWER 4 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Classification of Substrates and Inhibitors of P-Glycoprotein Using Unsupervised Machine Learning Approach

L6 ANSWER 5 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Specific haplotypes of MDR1 gene and their use in diagnosis and therapy

L6 ANSWER 6 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Morphine-6-glucuronide salts and stability thereof

L6 ANSWER 7 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Method and pharmaceutical composition using devazepide and surfactant with opioid analgesic therapy

L6 ANSWER 8 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Method of treatment of patients requiring analgesia with opioid analgesics

L6 ANSWER 9 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI A Computational Ensemble Pharmacophore Model for Identifying Substrates of P-Glycoprotein

L6 ANSWER 10 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Process for preparing morphine-6-glucuronide and its analogues using haloglucuronate ester intermediates

L6 ANSWER 11 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI The synthesis of some analogs of morphine 6-glucuronide through Wittig reactions upon dihydrocodeinone

L6 ANSWER 12 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI A general pattern for substrate recognition by P-glycoprotein

L6 ANSWER 13 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Quantitation of morphine, morphine-3-glucuronide, and morphine-6-glucuronide in plasma and cerebrospinal fluid using solid-phase extraction and high-performance liquid chromatography with electrochemical detection

=> d l6 3 4 6 7 8 10 11 13 ti abs bib
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L6 ANSWER 3 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Use of complexes of morphine-6-glucuronide complexes with phosphatidylethanolamine-binding protein (PEBP) peptides to prolong morphine serum half-life in treatment of pain
AB A method of prolonging the serum half-life of morphine and its derivs. by forming a complex with the phosphatidylethanolamine-binding protein (PEBP) that is stable in chromaffin cells but degraded in blood plasma is described. Morphine-6-glucuronide was found to form a stable complex with PEBP.
AN 2006:1118897 HCAPLUS <<LOGINID::20070914>>
DN 145:465691
TI Use of complexes of morphine-6-glucuronide

complexes with phosphatidylethanolamine-binding protein (PEBP) peptides to prolong morphine serum half-life in treatment of pain
IN Goumon, Yannick; Metz-Boutigue, Marie-Helene; Aunis, Dominique
PA INSERM (Institut National de la Sante et de la Recherche Medicale), Fr.
SO PCT Int. Appl., 62pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006111355	A1	20061026	WO 2006-EP3540	20060418

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRAI EP 2005-300295 A 20050419
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Classification of Substrates and Inhibitors of P-Glycoprotein Using Unsupervised Machine Learning Approach
AB P-glycoprotein (P-gp), a drug efflux pump, affects the bioavailability of therapeutic drugs and plays a potentially important role in clin. drug-drug interactions. Classification of candidate drugs as substrates or inhibitors of the carrier protein is of crucial importance in drug development. The extreme diversity of substrates and the presence of multiple binding sites complicate the understanding of the mechanisms behind and hinder the development of a true, conclusive quant. structure-activity relationship (QSAR) for P-gp substrates. In addition, both inhibitors and substrates interact with the same binding site of P-gp. As a result, both share many common structural features. In this work, an unsupervised machine learning approach based on the Kohonen self-organizing maps (SOM) was explored, which incorporated a predefined set of physicochem. descriptors encoding the key mol. properties capable of discerning a substrate from an inhibitor. The SOM model can discriminate between substrates and inhibitors with an average accuracy of 82.3%. The current results show that the SOM-based method provides a potential in silico model for virtual screening.
AN 2005:335682 HCAPLUS <<LOGINID::20070914>>
DN 143:19256
TI Classification of Substrates and Inhibitors of P-Glycoprotein Using Unsupervised Machine Learning Approach
AU Wang, Yong-Hua; Li, Yan; Yang, Sheng-Li; Yang, Ling
CS Lab of Pharmaceutical Resource Discovery, Dalian Institute of Chemical Physics, Graduate School, Chinese Academy of Sciences, Dalian, 116023, Peop. Rep. China
SO Journal of Chemical Information and Modeling (2005), 45(3), 750-757
CODEN: JCISD8; ISSN: 1549-9596
PB American Chemical Society
DT Journal
LA English
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Morphine-6-glucuronide salts and stability thereof
AB Several salts of morphine-6-glucuronide are prepared, and the hydrobromide salt (M6G.HBr) is surprisingly stable compared to other M6G salts and M6G free base. Use of M6G.HBr as a medicament, in particular as an analgesic, and methods of making M6G.HBr are described.
AN 2004:162705 HCAPLUS <<LOGINID::20070914>>
DN 140:205122
TI Morphine-6-glucuronide salts and stability thereof
IN Graham, John Aitken
PA Cenes Limited, UK
SO PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004016633	A1	20040226	WO 2003-GB3562	20030814
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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	CA 2494812	A1	20040226	CA 2003-2494812	20030814
	AU 2003255790	A1	20040303	AU 2003-255790	20030814
	EP 1537132	A1	20050608	EP 2003-787894	20030814
	EP 1537132	B1	20060104		
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	JP 2006500360	T	20060105	JP 2004-528672	20030814
	AT 315041	T	20060215	AT 2003-787894	20030814
	ES 2256790	T3	20060716	ES 2003-3787894	20030814
	ZA 2005001053	A	20050829	ZA 2005-1053	20050204
	IN 2005CN00181	A	20070907	IN 2005-CN181	20050214
	NO 2005001261	A	20050311	NO 2005-1261	20050311
	US 2006166900	A1	20060727	US 2005-524149	20050628
PRAI	GB 2002-18811	A	20020814		
	WO 2003-GB3562	W	20030814		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Method and pharmaceutical composition using devazepide and surfactant with opioid analgesic therapy
AB There is described a method of treatment of a patient requiring analgesia which comprises the sep., simultaneous or sequential administration of a therapeutically effective amount of an opioid analgesic, devazepide and a surfactant. There is also described a monophasic pharmaceutical composition comprising an amount of devazepide effective in the enhancement of opioid analgesia and a pharmaceutically acceptable surfactant. The use of a surfactant is advantageous in that it improves the powder flow and/or separation properties of solid devazepide and also reduces or mitigates the undesirable side effects of opioid administration, e.g. constipation.
AN 2003:633285 HCAPLUS <<LOGINID::20070914>>
DN 139:159955

TI Method and pharmaceutical composition using devazepide and surfactant with opioid analgesic therapy
IN Jackson, Karen
PA ML Laboratories PLC, UK
SO U.S. Pat. Appl. Publ., 8 pp., Cont.-in-part of U.S. Ser. No. 108,659.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003153592	A1	20030814	US 2003-349431	20030122
	US 6713470	B2	20040330		
	US 2004198723	A1	20041007	US 2002-53962	20020122
	US 2003139396	A1	20030724	US 2002-108659	20020327
	US 2004043990	A1	20040304	US 2003-410311	20030409
	US 2004167146	A1	20040826	US 2003-622492	20030721
	US 2004142959	A1	20040722	US 2004-752411	20040107
PRAI	US 2002-53962	B2	20020122		
	US 2002-108659	A2	20020327		
	GB 2002-1367	A	20020122		
	GB 2002-8129	A	20020409		
	US 2003-349431	A2	20030122		

L6 ANSWER 8 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Method of treatment of patients requiring analgesia with opioid analgesics
AB There is described a method of treatment of a patient requiring analgesia which comprises the sep., simultaneous or sequential administration of a therapeutically effective amount of an opioid analgesic, devazepide, and a surfactant. There is also described a monophasic pharmaceutical composition comprising devazepide effective in the enhancement of opioid analgesia and a surfactant. The daily dosage of devazepide is up to 0.7 mg/kg/day.
AN 2003:590987 HCAPLUS <<LOGINID::20070914>>
DN 139:138761
TI Method of treatment of patients requiring analgesia with opioid analgesics
IN Jackson, Karen
PA Ml Laboratories Plc, UK
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003061632	A1	20030731	WO 2003-GB221	20030122
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	CA 2473884	A1	20030731	CA 2003-2473884	20030122
	EP 1467718	A1	20041020	EP 2003-708305	20030122
	EP 1467718	B1	20051123		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2003007022	A	20041103	BR 2003-7022	20030122
	JP 2005521655	T	20050721	JP 2003-561577	20030122
	AT 310509	T	20051215	AT 2003-708305	20030122
	ES 2253662	T3	20060601	ES 2003-3708305	20030122

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     NO 2004002758          A     20040922    NO 2004-2758           20040630
     IN 2004KN00923         A     20060512    IN 2004-KN923          20040702
     MX 2004PA07030         A     20041011    MX 2004-PA7030         20040721
PRAI GB 2002-1367           A     20020122
     WO 2003-GB221          W     20030122
RE.CNT  3      THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6   ANSWER 10 OF 13  HCAPLUS  COPYRIGHT 2007 ACS on STN
TI   Process for preparing morphine-6-glucuronide
     and its analogues using haloglucuronate ester intermediates
GI
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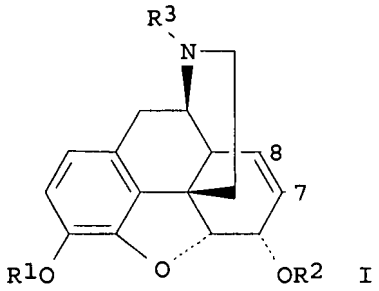

I

AB This invention discloses a process for preparing morphine-6-glucuronide and related compds. (I) [R1 = (un)substituted alkyl, aryl, silyl, acyl; R2 = glycoside ester; R3 = alkyl, aryl, H, (CH2)nX where n is a integer; X = NRR4; R, R4 = H, alkyl, aryl, acyl; C(7) - C(8) linkage is olefin, dihydro, dihydroxy, hydroxyhalo, epoxy, dihalo, hydrohalo, hydrohydroxy, or olefin adducts CHX-CHY; X, Y = epoxy, halogen, hydrohalogen] using haloglucuronate esters as an intermediates in the presence of iodine or an iodonium compound Thus, I (R1 = pivaloyl, R2 = Me β-D-(2,3,4-tripivaloyl)glucuronate, R3 = Me) was prepared by the reaction of 3-O-pivaloylmorphine and 1-deoxy-1-iodo-2,3-4-tri-O-pivaloyl-α-D-glucopyranuronate (also prepared) in presence of iodine.


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AN   2000:911257  HCAPLUS <<LOGINID::20070914>>
DN   134:56828
TI   Process for preparing morphine-6-glucuronide
     and its analogues using haloglucuronate ester intermediates
IN   Scheinmann, Feodor; Stachulski, Andrew Valentine; Ferguson, John; Law,
     Jane Louise
PA   UFC Limited, UK
SO   PCT Int. Appl., 20 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   WO 2000078764        A1    20001228    WO 2000-GB2232         20000620
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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     CA 2375274            A1    20001228    CA 2000-2375274        20000620
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EP 1200441 A1 20020502 EP 2000-938910 20000620
EP 1200441 B1 20050209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL
JP 2003502427 T 20030121 JP 2001-504930 20000620
AT 288917 T 20050215 AT 2000-938910 20000620
US 6642366 B1 20031104 US 2002-19585 20020607
PRAI GB 1999-14382 A 19990621
WO 2000-GB2232 W 20000620
OS CASREACT 134:56828; MARPAT 134:56828
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI The synthesis of some analogs of morphine 6-glucuronide through Wittig reactions upon dihydrocodeinone
AB In preliminary studies to establish the biol. role of the glucuronide unit in morphine 6-glucuronide, a number of codeine derivs. bearing alkyl side chains appended through C-6 have been synthesized using Wittig reactions between suitable ylides and dihydrocodeinone. During the course of this work some aldolization type products of dihydrocodeinone were obtained. Attempts to introduce side chains by radical coupling reactions between bromocodides and allyltributyltin failed.
AN 1998:540981 HCAPLUS <<LOGINID::20070914>>
DN 129:330889
TI The synthesis of some analogs of morphine 6-glucuronide through Wittig reactions upon dihydrocodeinone
AU Liu, Maxson; Mahon, Mary F.; Sainsbury, Malcolm
CS Department of Chemistry, University of Bath, Claverton Down, Bath, BA2 7AY, UK
SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1998), (17), 2943-2952
CODEN: JCPRB4; ISSN: 0300-922X
PB Royal Society of Chemistry
DT Journal
LA English
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 13 HCAPLUS COPYRIGHT 2007 ACS on STN
TI Quantitation of morphine, morphine-3-glucuronide, and morphine-6-glucuronide in plasma and cerebrospinal fluid using solid-phase extraction and high-performance liquid chromatography with electrochemical detection
AB An original, sensitive, and specific high-performance liquid chromatog. (HPLC) assay was developed for the quantitation of morphine and its two major metabolites, morphine-3-glucuronide (M3G) and morphine-6-glucuronide (M6G), in human plasma and cerebrospinal fluid (CSF) and in rat plasma, using hydromorphone as the internal standard Solid-phase extraction was used to sep. morphine and its glucuronide metabolites from plasma constituents. Extraction efficiencies of morphine, M3G, and M6G from human plasma samples (0.5 mL) were 84, 87, and 88%, resp. Extraction efficiencies of morphine, M3G, and M6G did not differ significantly ($p > 0.05$) between human plasma and CSF or rat plasma. Morphine, M3G, M6G, and hydromorphone were separated on a 10 μ C8 Resolve radially compressed cartridge using a mobile phase comprising methanol:acetonitrile:phosphate buffer, (0.0125M pH 7.5; 10:10:80), in which 11 mg/L of cetyltrimethylammonium bromide (cetrimide) was dissolved. Quantitation was achieved using a single electrochem. detector at ambient temperature (23°C). Standard curves were linear over the ranges 0.020-2.190, 0.027-2.709, and 0.027-0.542 μM for morphine, M3G, and M6G, resp. Lower limits of detection for morphine, M3G, and M6G in human plasma and CSF samples (0.5 mL) were 0.020, 0.027, and 0.027 μM, resp.

Corresponding lower limits of detection in rat plasma (0.1 mL) were 0.102, 0.135, and 0.135 μM, resp. Intraassay precision for low and high concns. of morphine, M3G, and M6G were <23 and <8% resp. Similarly, interassay accuracy for low and medium concns. of morphine, M3G, and M6G were <17% and were <9% for high concns.

AN 1994:472903 HCAPLUS <<LOGINID::20070914>>
DN 121:72903
TI Quantitation of morphine, morphine-3-glucuronide, and morphine-6-glucuronide in plasma and cerebrospinal fluid using solid-phase extraction and high-performance liquid chromatography with electrochemical detection
AU Wright, Andrew W. E.; Watt, Julie A.; Kennedy, Michelle; Cramond, Tess; Smith, Maree T.
CS R. Brisbane Hosp., Univ. Queensl., Brisbane, 4072, Australia
SO Therapeutic Drug Monitoring (1994), 16(2), 200-8
CODEN: TDMODV; ISSN: 0163-4356
DT Journal
LA English

=> d his

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EXP MORPHINE 6 GLUCURONIDE/CN
EXP MORPHINE 6 BETA
EXP MORPHINE 6 BETA/CN
EXP MORPHINE-6-BETA/CN
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L2 1 S L1

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                0*  FILE WPIFV
                8   FILE WPINDEX
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                 ---------

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L5        293526 S BROMIDE OR HYDROBROMIDE
L6            13 S L4 AND L5

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     FILE 'HCAPLUS' ENTERED AT 14:22:18 ON 14 SEP 2007

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Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

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PASSWORD:
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COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)f

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      0.06      50.64

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      0.00      -7.02

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STRUCTURE FILE UPDATES:   13 SEP 2007  HIGHEST RN 947061-18-9
DICTIONARY FILE UPDATES:  13 SEP 2007  HIGHEST RN 947061-18-9

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  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> exp morphine hydrobromide/cn
E1            2     MORPHINE GLUCURONIDE/CN
E2            1     MORPHINE HYDRIODIDE, HYDRIODIDE/CN
E3            1 --> MORPHINE HYDROBROMIDE/CN
E4            1     MORPHINE HYDROBROMIDE, DIHYDRATE/CN
E5            1     MORPHINE HYDROCHLORIDE/CN
E6            1     MORPHINE HYDROCHLORIDE MIXT. WITH SPARTEINE SULFATE AND ATRO
                    PINE SULFATE/CN
E7            1     MORPHINE HYDROCHLORIDE TRIHYDRATE/CN
E8            1     MORPHINE HYDROCHLORIDE-ATROPINE SULFATE MIXT./CN
E9            1     MORPHINE HYDROCHLORIDE-N-ALLYLNORMORPHINE HYDROCHLORIDE-ACEP
                    ROMAZINE MALEATE MIXTURE/CN
E10           1     MORPHINE HYDROCHLORIDE-N-ALLYLNORMORPHINE HYDROCHLORIDE-ACEP
                    ROMAZINE MALEATE-BENZYLHARMINE HYDROCHLORIDE MIXT./CN
E11           1     MORPHINE HYDROCHLORIDE-N-ALLYLNORMORPHINE HYDROCHLORIDE-PROM
                    AZINE HYDROCHLORIDE MIXTURE/CN
E12           1     MORPHINE HYDROCHLORIDE-N-ALLYLNORMORPHINE-ACEPROMAZINE MALEA
                    TE MIXT./CN

=> s E3
L7            1 "MORPHINE HYDROBROMIDE"/CN

=> d l7

L7   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   630-81-9  REGISTRY
ED   Entered STN:  16 Nov 1984
```
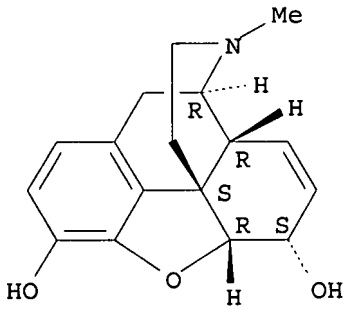

CN Morphinan-3,6-diol, 7,8-didehydro-4,5-epoxy-17-methyl-
(5α,6α)-, hydrobromide (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Morphine hydrobromide
FS STEREOSEARCH
MF C17 H19 N O3 . Br H
LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMLIST, HSDB*, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)
CRN (57-27-2)

Absolute stereochemistry. Rotation (-).



● HBr

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.35	57.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-7.02

FILE 'CAPLUS' ENTERED AT 14:33:32 ON 14 SEP 2007
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FILE COVERS 1907 - 14 Sep 2007 VOL 147 ISS 13

FILE LAST UPDATED: 13 Sep 2007 (20070913/ED)

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=> s l7/thu
5 L7
934038 THU/RL
L8 1 L7/THU
(L7 (L) THU/RL)

=> s l7
L9 5 L7

=> d l9 1-5 ti abs bib

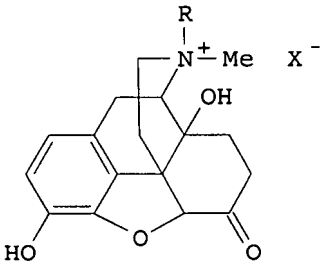
L9 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
TI Morphine alkaloids. 138. The first preparation of 6β-bromo codeine and morphine derivatives. Kinetic vs. thermodynamic control
AB Starting from the hydrogen halide salts of morphine and codeine derivs., 6β-halogeno(Cl,Br)-substituted codeine and morphine derivs. were prepared under Mitsunobu conditions. E.g., codeine hydrochloride was converted to 6β-chloro-6-deoxycodeine in 70% yield using DEAD and PPh3 in benzene.
AN 1998:148517 CAPLUS <<LOGINID::20070914>>
DN 128:230547
TI Morphine alkaloids. 138. The first preparation of 6β-bromo codeine and morphine derivatives. Kinetic vs. thermodynamic control
AU Simon, Csaba; Hosztafi, Sandor; Makleit, Sandor
CS Alkaloida Chem. Company Ltd., Tiszavasvari, H-4440, Hung.
SO Journal of Chemical Research, Synopses (1997), (12), 437
CODEN: JRPSDC; ISSN: 0308-2342
PB Royal Society of Chemistry
DT Journal
LA English
OS CASREACT 128:230547
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
TI Pharmaceutical bilayer tablets containing morphine
AB A bilayer tablet comprises a layer of morphine, poly(alkylene oxide) and poly(vinylpyrrolidone); and an expandable layer of coated granules of a higher mol. weight poly(alkylene oxide) and a hydroxyalkyl cellulose. Morphine sulfate pentahydrate (I) 432, poly(ethylene oxide) 963, and poly(vinyl pyrrolidone) 90 g were mixed, followed by addition of 404 g denatured anhydrous alc. The prepared wet granulation was passed through a 20 mesh screen and allowed to dry at room temperature for 18 h, then passed through a 16 mesh screen. The screened granulation was transferred to a planetary mixer and with constant blending 14.9 g of calcium stearate was added to produce the therapeutic composition The composition compressed into 50 mg tablets containing 70 mg I.
AN 1995:958458 CAPLUS <<LOGINID::20070914>>
DN 124:37702
TI Pharmaceutical bilayer tablets containing morphine
IN Merrill, Sonya; Ayer, Atul D.; Hwang, Paul; Kuczynski, Anthony L.
PA Alza Corp., USA
SO U.S., 5 pp.
CODEN: USXXAM
DT Patent

LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5460826	A	19951024	US 1994-266075	19940627
	US 5593695	A	19970114	US 1995-449620	19950524
	CA 2186260	A1	19960104	CA 1995-2186260	19950614
	CA 2186260	C	20070731		
	WO 9600066	A1	19960104	WO 1995-US7727	19950614
	W: AU, CA, FI, JP, KR, MX, NO, NZ				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9527761	A	19960119	AU 1995-27761	19950614
	AU 688524	B2	19980312		
	EP 767663	A1	19970416	EP 1995-923087	19950614
	EP 767663	B1	20020403		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	JP 10502086	T	19980224	JP 1995-503263	19950614
	AT 215372	T	20020415	AT 1995-923087	19950614
	ES 2172587	T3	20021001	ES 1995-923087	19950614
	US 5667805	A	19970916	US 1996-726107	19961004
	FI 9605203	A	19961223	FI 1996-5203	19961223
	NO 9605540	A	19961227	NO 1996-5540	19961223
	NO 311326	B1	20011119		
PRAI	US 1994-266075	A3	19940627		
	US 1995-449620	A1	19950524		
	WO 1995-US7727	W	19950614		

L9 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
TI Method using narcotic analgesic and noroxymorphone quaternary derivative for reducing emesis and nausea induced by the administration of an emesis-causing agent
GI



I

AB The title method comprises administration of an effective amount of a narcotic analgesic and a noroxymorphone quaternary derivative I (R = allyl or related radical, cyclopropyl-Me, propargyl; X = anion of an acid) prior to, simultaneous with, or after administration of an emesis-causing agent different from the narcotic analgesic. The method is highly effective in preventing or relieving nausea and emesis induced by anticancer drugs or by apomorphine. The combination of methylnaltrexone and morphine was 100% effective in preventing cisplatin-induced emesis in dogs.
AN 1992:400900 CAPLUS <<LOGINID::20070914>>
DN 117:900
TI Method using narcotic analgesic and noroxymorphone quaternary derivative for reducing emesis and nausea induced by the administration of an emesis-causing agent
IN Goldberg, Leon I.
PA Arch Development Corp., USA
SO U.S., 4 pp. Cont. of U.S. Ser. No. 312,117, abandoned.

CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5102887	A	19920407	US 1990-540884	19900615
	AU 654275	B2	19941103	AU 1991-76319	19910430
	AU 9176319	A	19921126		
PRAI	US 1989-312117	B1	19890217		

OS MARPAT 117:900

L9 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
TI Analytical study of alkaloids
AB The HBr, HCl, HI, H2SO4 and picric acid crystalline salt of the free bases atropine, cocaine, codeine, emetine, hyoscyamine, morphine, papaverine, and quinine were prepared and their optical properties under ordinary, parallel polarized, and convergent polarized light were examined microscopically. High degrees of reproducibility and exactitude were observed. No crystalline salts were obtained with silicotungstic acid. The ir spectra of the free bases were recorded.
AN 1974:441384 CAPLUS <<LOGINID::20070914>>
DN 81:41384
TI Analytical study of alkaloids
AU Arenas de Castano, Isabel; Veloza, Gloria S.
CS Fac. Cienc., Univ. Nac. Colombia, Bogota, Colombia
SO Revista Colombiana de Ciencias Quimico-Farmaceuticas (1973), 2(2), 105-26
CODEN: RCQFAQ; ISSN: 0034-7418
DT Journal
LA Spanish

L9 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
TI Action of physostigmine, morphine, cyclopentolate, and homatropine on the secretion and outflow of aqueous humor in the rabbit eye
AB The i.v. injection of 0.5 mg physostigmine salicylate (I) [57-64-7]/kg in rabbits caused a marked decrease in intraocular pressure, which seemed to be due to the decrease in inflow of aqueous humor, but 3-day topical application of 50 μl 1% I twice daily had no effect on the intraocular pressure or fluid dynamics. I.v. injection of 7.5 mg morphine-HBr [630-81-9]/kg increased both the inflow rate and the outflow facility of the eye. Cyclopentolate-HCl [5870-29-1] (50 mg/kg) and homatropine-HBr [51-56-9] (0.5 mg/kg) did not decrease the outflow facility. Cyclopentolate applied either i.v. or topically increased both the inflow rate and the outflow facility slightly, while i.v.-applied homatropin had no effect on the intraocular fluid dynamics but when applied topically slightly increased the intraocular pressure. None of the drugs caused any significant change in the Na-K-ATPase [9000-83-3] activity in the ciliary body-iris, but I and morphine markedly reduced magnesium ATPase [9000-83-3] activity. I did not decrease Mg-ATPase activity when the eye had been sympathectomized 7 days before I administration. The effect of I on Mg-ATPase was possibly mediated by way of the sympathetic nervous system.
AN 1973:52649 CAPLUS <<LOGINID::20070914>>
DN 78:52649
TI Action of physostigmine, morphine, cyclopentolate, and homatropine on the secretion and outflow of aqueous humor in the rabbit eye
AU Uusitalo, Risto
CS Dep. Anat., Univ. Helsinki, Helsinki, Finland
SO Acta Physiologica Scandinavica (1972), 86(2), 239-49
CODEN: APSCAX; ISSN: 0001-6772
DT Journal
LA English